IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A method of embedding a watermark in an information signal, comprising the steps:

analyzing a given property of the information signal and determining an actual value of said property;

associating different watermarks in a plurality of watermarks with distinct values of said property; and

selecting the watermark from said plurality of watermarks associated with said actual value for embedding in the information signal.

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2. (Previously Presented) The method as claimed in claim 1, in which the information signal is a sequence of video images, and said analyzing step comprises:

analyzing a spatial or temporal distribution of luminance values, each distinct distribution of luminance values constituting a value of said property of the information signal.

3. (Previously Presented) The method as claimed in claim 1, in which the information signal is a sequence of audio signal segments, and said analyzing step comprises:

analyzing a shape of the frequency spectrum of said audio segments, each distinct shape of the frequency spectrum constituting a value of said property of the information signal.

4. (Currently Amended) The method as claimed in claim 1, in which ~~the~~ each embedded watermark is a combination of two or more basic watermark patterns constituting a set of basic watermark patterns, said set of basic watermark patterns being selected from different sets of basic watermark patterns in dependence upon the actual value of the property of the information signal.

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5. (Currently Amended) A method of detecting a watermark in an information signal, comprising the steps:

analyzing a given property of the information signal and determining an actual value of said property;

associating different watermarks in a plurality of watermarks with distinct values of said property; and

selecting and detecting the watermark from said plurality of watermarks associated with said actual value.

6. (Previously Presented) The method as claimed in claim 5, in which the information signal is a sequence of video images, and said analyzing step comprises:

analyzing a spatial or temporal distribution of luminance values, each distinct distribution of luminance values constituting a value of said property of the information signal.

7. (Previously Presented) The method as claimed in claim 5, in which the information signal is a sequence of audio signal segments, and the method further comprises the step:

calculating the frequency spectrum for each segment, each distinct shape of said frequency spectrum constituting a value of said property of the information signal.

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8. (Currently Amended) The method as claimed in claim 5, in which ~~the~~ each embedded watermark is a combination of two or more basic watermark patterns constituting a set of basic watermark patterns, said set of basic watermark patterns being selected from different sets of basic watermark patterns in dependence upon the actual value of the property of the information signal.

9. (Currently Amended) A watermark embedder for embedding a watermark in an information signal, comprising:

means for analyzing a given property of the information signal and determining an actual value of said property;

means for associating different watermarks in a plurality of watermarks with distinct values of said property; and

means for selecting the watermark from said plurality of watermarks associated with said actual value for embedding in the information signal.

10. (Currently Amended) A watermark detector for detecting a watermark in an information signal, comprising:

means for analyzing a given property of the information signal and determining an actual value of said property;

means for associating different watermarks in a plurality of watermarks with distinct values of said property; and

means for selecting and detecting the watermark from said plurality of watermarks associated with said actual value.

11. (Currently Amended) The watermark embedder as claimed in claim 9, wherein said watermark embedder further comprises:

a watermark detector for detecting a watermark in an information signal, comprising:

means for analyzing a given property of the information signal and determining an actual value of said property;

means for associating different watermarks in a plurality of watermarks with distinct values of said property; and

means for selecting and detecting the watermark from said plurality of watermarks associated with said actual value; and

means for refraining from embedding the selected watermark in response to said watermark detector detecting said selected watermark in the information signal.